(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 11 November 2004 (11.11.2004)

PCT

(10) International Publication Number WO 2004/097460 A1

(51) International Patent Classification7: G01V 3/12

(21) International Application Number:

PCT/KR2003/001288

(22) International Filing Date: 30 June 2003 (30.06.2003)

(25) Filing Language:

Korean

(26) Publication Language:

English

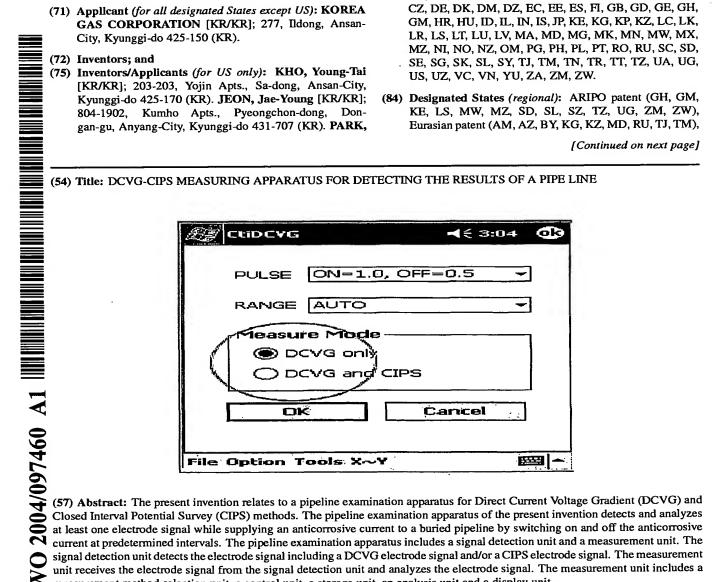
(30) Priority Data:

26 April 2003 (26.04.2003) KR 10-2003-0026551 10-2003-0026552 26 April 2003 (26.04.2003) KR 26 April 2003 (26.04.2003) KR 10-2003-0026553 KR 10-2003-0026554 26 April 2003 (26.04.2003)

- (71) Applicant (for all designated States except US): KOREA GAS CORPORATION [KR/KR]; 277, Ildong, Ansan-

Kyeong-Wan [KR/KR]; 404-604, Jugong Apts., 7, Byeoryang-dong, Gwacheon-City, Kyunggi-do 427-040 (KR). CHO, Yong-Bum [KR/KR]; 306-1312, Mido Apts., 60-4, Banpo 4-dong, Seocho-gu, Seoul 137-769 (KR). LI, Seon-Yeob [KR/KR]; 1108-1303, Jugong Apts., 11, Seongpo-dong, Sangnok-gu, Ansan-City, Kyunggi-do 425-772 (KR). KIM, Young-Geun [KR/KR]; 9-1109, Yesurin Apts., Seongpo-dong, Sangnok-gu, Ansan-City, Kyunggi-do 425-768 (KR).

- (74) Agents: KWON, Hyuk-Sung et al.; 2F, Myung-jin Bldg., 746-9 Yeoksam-dong, Gangnam-gu, Seoul 135-080 (KR).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK,



signal detection unit detects the electrode signal including a DCVG electrode signal and/or a CIPS electrode signal. The measurement unit receives the electrode signal from the signal detection unit and analyzes the electrode signal. The measurement unit includes a measurement method selection unit, a control unit, a storage unit, an analysis unit and a display unit.



WO 2004/097460 A1



European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

with international search report